

**Dr. Duke's Phytochemical and Ethnobotanical Databases**

**List of Plants for ALPHA-FENCHENE**

| Plant                          | Part  | Low PPM | High PPM | StdDev              | Reference   |
|--------------------------------|-------|---------|----------|---------------------|---|
| <i>Abies alba</i>              | Leaf  | 50.0    | 70.0     | 4.43122346763744    | --  |
| <i>Artemisia annua</i>         | Shoot |         |          |                     | Wright,C.W.(Ed)2002.Medicinal&Aromatic Plants-Industrial Profiles. <i>Artemisia</i> .344pp.Maffei,M. (Ed)2002. <i>Vetiveria</i> .The Genus <i>Vetiveria</i> .Taylor&Francis.NY,NY.191pp.Southwell,I.,Lowe,R.(Eds)1999. <i>Tea Tree</i> .The Genus <i>Melaleuca</i> .Harwood Acad.Pub.Amsterdam,Netherlands. |
| <i>Eucalyptus ochrophloia</i>  | Leaf  |         | 0.0      | -0.4609977705185447 | Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> . Part VI. Subgenus <i>Sympyomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364                      |
| <i>Eucalyptus melanophloia</i> | Leaf  |         | 0.0      | -0.4609977705185447 | Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> . Part VI. Subgenus <i>Sympyomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364                      |
| <i>Eucalyptus viridis</i>      | Leaf  |         | 0.0      | -0.4609977705185447 | Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> . Part VI. Subgenus <i>Sympyomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364                      |
| <i>Eucalyptus porosa</i>       | Leaf  |         | 0.0      | -0.4609977705185447 | Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> . Part VI. Subgenus <i>Sympyomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364                      |

| Plant                  | Part | Low PPM | High PPM | StdDev               | Reference  |
|------------------------|------|---------|----------|----------------------|--|
| Eucalyptus behriana    | Leaf |         | 0.0      | -0.4609977705185447  | Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364   |
| Eucalyptus stoatei     | Leaf |         | 13.0     | 0.44755760228185243  | Bignell,C.M.,Dunlop,P.J.,Brophy,J.,J.,and Jackson, J.F.1994.Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus.Part I.Subgenus Sympyomyrtus,Section Dumaria, Series Incrassatae.Flavour and Fragrance J.9(3):113-7 |
| Eucalyptus erythrandra | Leaf |         | 7.0      | 0.028224353297053723 | Bignell,C.M.,Dunlop,P.J.,Brophy,J.,J.,and Jackson, J.F.1994.Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus.Part I.Subgenus Sympyomyrtus,Section Dumaria, Series Incrassatae.Flavour and Fragrance J.9(3):113-7 |
| Eucalyptus sparsa      | Leaf |         | 0.0      | -0.4609977705185447  | Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364   |
| Eucalyptus brassiana   | Leaf |         | 1.0      | -0.3911088956877449  | Singh, A. K., Gupta, K. C., & Brophy, J. J. 1991. Chemical Constituents of the Leaf Essential Oil of Eucalyptus brassiana S. T. Blake. Journal of Essential Oil Res. 3: 45-7.  |
| Eucalyptus leucoxylon  | Leaf |         | 0.0      | -0.4609977705185447  | Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364   |

| Plant                     | Part | Low PPM | High PPM | StdDev                | Reference   |
|---------------------------|------|---------|----------|-----------------------|---|
| Eucalyptus desquamata     | Leaf |         | 0.0      | -0.4609977705185447   | Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364  |
| Eucalyptus lansdowneana   | Leaf |         | 0.0      | -0.4609977705185447   | Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364  |
| Eucalyptus cuprea         | Leaf |         | 0.0      | -0.4609977705185447   | Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364  |
| Eucalyptus incrassata     | Leaf |         | 14.0     | 0.5174464771126522    | Bignell,C.M.,Dunlop,P.J.,Brophy,J.J.,and Jackson, J.F.1994.Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus.Part I.Subgenus Sympyomyrtus,Section Dumaria, Series Incrassatae.Flavour and Fragrance J.9(3):113-7 |
| Eucalyptus dolichorhyncha | Leaf |         | 6.0      | -0.041664521533746064 | Bignell,C.M.,Dunlop,P.J.,Brophy,J.J.,and Jackson, J.F.1994.Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus.Part I.Subgenus Sympyomyrtus,Section Dumaria, Series Incrassatae.Flavour and Fragrance J.9(3):113-7 |

| Plant                         | Part | Low PPM | High PPM | StdDev              | Reference  |
|-------------------------------|------|---------|----------|---------------------|--|
| <i>Eucalyptus populnea</i>    | Leaf |         | 0.0      | -0.4609977705185447 | Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> . Part VI. Subgenus <i>Sympyomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364         |
| <i>Eucalyptus angulosa</i>    | Leaf |         | 1.5      | -0.356164458272345  | Bignell,C.M.,Dunlop,P.J.,Brophy,J.J.,and Jackson, J.F.1994.Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> .Part I.Subgenus <i>Sympyomyrtus</i> ,Section <i>Dumaria</i> ,Series <i>Incrassatae</i> .Flavour and Fragrance J.9(3):113-7 |
| <i>Eucalyptus fasciculosa</i> | Leaf |         | 0.0      | -0.4609977705185447 | Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> . Part VI. Subgenus <i>Sympyomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364         |
| <i>Eucalyptus odorata</i>     | Leaf |         | 0.0      | -0.4609977705185447 | Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> . Part VI. Subgenus <i>Sympyomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364         |
| <i>Eucalyptus intertexta</i>  | Leaf |         | 0.0      | -0.4609977705185447 | Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> . Part VI. Subgenus <i>Sympyomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364         |

| Plant                         | Part          | Low PPM | High PPM | StdDev                | Reference  |
|-------------------------------|---------------|---------|----------|-----------------------|--|
| <i>Eucalyptus tetraptera</i>  | Leaf          |         | 10.0     | 0.2378909777894531    | Bignell,C.M.,Dunlop,P.J.,Brophy,J.J.,and Jackson, J.F.1994.Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> .Part I.Subgenus <i>Sympyomyrtus</i> ,Section <i>Dumaria</i> ,Series <i>Incrassatae</i> .Flavour and Fragrance J.9(3):113-7 |
| <i>Eucalyptus largisparsa</i> | Leaf          |         | 0.0      | -0.4609977705185447   | Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> . Part VI. Subgenus <i>Sympyomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364         |
| <i>Eucalyptus forrestiana</i> | Leaf          |         | 17.0     | 0.7271131016050516    | Bignell,C.M.,Dunlop,P.J.,Brophy,J.J.,and Jackson, J.F.1994.Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> .Part I.Subgenus <i>Sympyomyrtus</i> ,Section <i>Dumaria</i> ,Series <i>Incrassatae</i> .Flavour and Fragrance J.9(3):113-7 |
| <i>Eucalyptus ceratocorys</i> | Leaf          |         | 6.0      | -0.041664521533746064 | Bignell,C.M.,Dunlop,P.J.,Brophy,J.J.,and Jackson, J.F.1994.Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> .Part I.Subgenus <i>Sympyomyrtus</i> ,Section <i>Dumaria</i> ,Series <i>Incrassatae</i> .Flavour and Fragrance J.9(3):113-7 |
| <i>Mentha spicata</i>         | Leaf          |         |          |                       | Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.   |
| <i>Mentha spicata</i>         | Essential Oil |         |          |                       | --   |
| <i>Myrciaria dubia</i>        | Fruit         |         |          |                       | --   |
| <i>Ocimum basilicum</i>       | Essential Oil |         |          |                       | --   |
| <i>Ocimum gratissimum</i>     | Plant         |         |          |                       | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.   |
| <i>Peumus boldus</i>          | Leaf          |         | 26.0     | 1.3561129750822496    | --   |

| Plant                         | Part             | Low PPM | High PPM | StdDev | Reference  |
|-------------------------------|------------------|---------|----------|--------|--|
| <i>Pinus sylvestris</i>       | Leaf Essent. Oil |         |          |        | --   |
| <i>Rosmarinus officinalis</i> | Plant            |         |          |        | Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.     |
| <i>Rosmarinus officinalis</i> | Leaf Essent. Oil |         |          |        | --   |
| <i>Valeriana jatamansi</i>    | Root             |         |          |        | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| <i>Valeriana officinalis</i>  | Root             |         |          |        | --   |